THE TECH

VOL. XXVIII. No. 78 BOSTON, MASS., WEDNESDAY, MAY 5, 1909 PRICE THREE CENTS

McSWEENEY TALKS TO CATHOLIC CLUB

Editor of the "Traveler" and Father McCarthy at Dinner

OFFICERS ELECTED

P. D. White President, J. J. Devlin Vice President and T. J. Killon Secretary

Twenty-seven members attended the annual banquet of the Catholic Club, held at the Quincy House last evening. The banquet was a great success, both from a culinary and oratorical standpoint: the speakers being: E. F. McSweany, editor of the "Traveler," the Rev. W. J. McCarthy and William J. Troy.

Before going to the banquet, a business meeting was held and the following officers were elected for next year: P. D. White 1911, President; J. J. Devlin 1911, Vice-President; T. J. Killion 1912, Secretary and W. Keefe 1910, Herlihy 1911 and A. J. Lennon 1912, for the Executive Committee.

Mr. E. F. Sweany, editor of the Boston "Traveler," was the principal speaker of the evening, taking the subject of "Public Health," showing its importance, contrasting the attention the subject is receiving in Germany with the comparative indifference of Americans to it, and called upon his hearers, as the men who are to do things in the future to give the subject due consideration.

He outlined the tremendous advances of Germany in the past 30 years, due to the scientific attitude that is being taken, and then turned to the question of public health more specifically.

Some of the more forceful examples given by Mr. McSweany to show the conditions in this country are noted below:

When the German government thirty years ago entered on the crusade which has made it so commercially great, although lacking in natural resources and location, the wise men who planned the campaign realized that if they were to make the nation great, they must first make its people strong. They put at the head, therefore, the question of health, and in the health crusade the German nation has led the world.

The secret of success in the fight for health has been not in the teaching of it by colleges, but in spreading the knowledge of how to do things through society. Philanthropy can never take the place of efficient government, and efficient government will never come until the people know what they want, when they want it, and have the courage to ask for it.

The wealth of any country is not its public buildings and improvements, but the health of the people. The residents of Boston lose each year from consumption a sum almost equal to one-half of what it costs to run the entire city. We are reasonably sure that 15,000 persons in Boston are afflicted with tuberculosis. At the minimum there are 5,000 school children suffering from tuberculosis. The average cost for each person who dies, for loss of wages, care, food, medical attention and funeral expenses, is more than $2,400 each, while the average shortening of life is thirty years,

(Continued on page 2.)

MECHANICALS TO MEET

A most important meeting of the Mechanical Engineering Society will be held in the Union this evening at half-past seven.

Prof. Lanza will talk on a subject of great importance, affecting the future of the Society. Every member is most strongly urged to attend.

H. K. Spencer '09, will speak on the "Effect of moisture in the cylinders of gas engines."

TWO BIG DINNERS TOMORROW NIGHT

Civils and Electricals to Hold Their Annual Banquets

FAREWELL TO CLIFFORD

At Electrical Gathering—Byrnes and Spofford to Address the Civils

Tomorrow night at 6:30 the Civil Engineering Society holds its annual dinner at the American House.

Prof. Spofford, who is to succeed Prof. Swain as Hayward Professor of Civil Engineering, will be the chief speaker of the evening. Mr. Byrnes, the vice-president of the New York, New Haven & Hartford Railroad, is also on the list. Profs. Swain, Porter, Miller and Allen will be present.

There is a meeting of the Boston Civil Engineering Society on Wednesday, and an attempt will be made to have at least some of the members present on Thursday evening. If any can be prevailed upon to remain over, it will offer an added interest to the evening, since this society is composed of men of importance in the engineering world.

The Electrical Engineering Society is giving a dinner at the American House at the same time, in honor of Prof. Clifford. Prof. Clifford will take the opportunity of making a farewell speech to the society, since he leaves this year to take a position at the Harvard graduate school.

All the professors of the department are invited. Prof. Clifford is the sole speaker of the evening.

IMPORTANT THESIS

Munoz and Clark Apply Ore-Washer to Coal with Good Results

Among the interesting theses being carried on in the Mining Department is that of Messrs. Clark and Munoz on Coal-Washing.

Experiments were made to determine the effect of preliminary breaking and sizing of coal on efficiency of the separation of coal from its impurities. On the basis of the results obtained, tests were made to determine the applicability of the Richards pulsator jig to coal washing. The machine is among the most recent inventions of Dr. Richards, and was primarily devised for the treatment of ores. The machine is similar in many respects to the Hartz jig, except that a peculiar form of pulsating water current takes the place of the alternate pulsion and suction used in the Hartz jig. The experiments made up to date have shown that the machine works successfully with coal and can handle quite a wide range of sizes. The results obtained by Clark and Munoz combined with the jig's simplicity, extremely large capacity for a given size and economical use of water show that this method of treatment should find a practical application in the coal industry.

SIMULTANEOUS MATCH

A. M. Sussman, the local chess expert, will play all comers Saturday at 3 P. M., in the Union. As Mr. Sussman has been generous in regard to his time, it is hoped appreciation will be shown in the form of good attendance. One blindfold game will be played in connection with the match. Men and boards will be furnished by the Chess Club.

George Rice Carpenter, professor of English in Columbia University since 1893, died in New York, after an illness of several weeks. The cause of his death is given as meningitis.

He was professor of English in the Institute from 1888 to 1893.

SPRING MEET TO BE BETTER THAN EVER

Men Coming Out in Larger Numbers This Week Than Before

1910 PICKED TO WIN

More Seniors Out This Week and Now 1909 Has a Chance to Finish Well

"It will be better than ever"—said Coach Kanaly when asked about the Spring Meet on Saturday. More men have been out this week than at any time this spring. Several of the men are showing remarkable improvement. This is particularly true of some of the freshmen.

The seniors are getting busy and there is some possibility of their winning the meet. Capt. Gram is entered in the three dashes, Ray Allen in the high jump 120-yard hurdles, shot put and half mile. C. S. Campbell who ran on the two mile relay team against Tufts is also in the half.

In the mile and two mile, Howland, McCarthy and Stephenson are working hard, and unless some of the freshmen cross country men step in are sure of pulling some points.

In the weight events are Nisbet for the discus and maybe Scharff and Flagg in the hammer throw. Sherman ought to go in for the shot put.

It is hardly probable that these men will score in every event they enter, but there is a chance for 25 points for 1909.

The other classes are fortunate in having a large number of men out, and the meet should be very close.

The juniors are strong in the hurdles, with Mason, Pead, Cummings and Fernstrom. They also have Gott and Ruckman in the broad jump and shot put; E. Stuart in the high jump; H. Lockett in the half mile and Moses in the quarter.

The sophomores have a fine team in White, Salisbury and Seligman in the dashes, W. D. Allen and Salisbury in the pole vault, Eldred in the half, Van Alstine in the two mile and Metcalf with the hammer.

The freshmen have some good sprinters in Reed, Oettinger, Grant and Walker. Greenleaf is fair with the pole and Becker and Bray are good in the weight events and broad jump. Morrill, Watkins and Cartwright are the best distance men in 1912. Watkins has a good chance for the mile cup.

SENIOR WEEK PROGRAM

Order of Events Announced by Class Day Committee

Class Day speakers were chosen and the Senior Week program definitely settled at the Class Day Committee meeting, Monday.

Carl William Gram of Wollaston will be Presentation Orator, James Irving Finnie of Clinton, Gift Orator; Garnett Alfred Joslin of Los Angeles, Cal., Statistician and Historian and Raynor Huntington Allen of Cincinnati, Prophet.

The program as settled on is as follows:

Thursday, June 3, Class Dinner at 6:30 at the American House.

Saturday evening, June 5, Musical Clubs' Concert.

Sunday afternoon, June 6, Baccalaureate Sermon.

Monday afternoon, June 7, Class Day.

Monday evening, Senior Dance.

Tuesday afternoon, June 8, Commencement.

The next meeting of the committee will be held tomorrow at 4:30.

The Technology Club of New York has leased the building of the Independence League Club, at 17 Gramercy Park.

ARCHITECTURAL COURSE IS GOOD

Its Aim is to Give a Firm Foundation for the Profession

FIFTH YEAR HELPFUL

Training in a Fine Office Very Valuable and Gives Good Reputation

By Prof. F. W. Chandler

The first efforts to become acquainted with the routine of his professional life may lead the graduate in architecture to wonder why more of the elements affecting this routine were not made part of the school's curriculum, and he will wish perhaps that more of his summer vacations had been spent in clearing away part of this early inexperience through acquaintance with the architect's office. But it is too late for that now, and the time has come to prove himself possessor of the strongest qualifications in the making of an architect,—backbone and common sense. He will soon learn the impossibility of any school giving him practical experience other than of the most meagre sort, and later will see what a waste of time it would have been to attempt to parallel a course which he is bound to have in the office, and which needs the conditions of a practical demand to get the real life into it.

If he is fortunate enough to have the training of the graduate year he will appreciate at once its value, from the importance his employer places upon it, a value which the young draughtsman will feel in the assured power it has given him to deal with big things, and to look even at small things in a big way. It will lead to his being associated with schemes, to take an important part in competitions. This is the kind of training the architects want from the schools, which results in the ability to handle problems, to educate architects in fact, not draughtsmen. An office education does not cultivate such powers, and the time is all too short in the schools to nourish and strengthen the faculties of idealization and creative composition to take from it more than will prepare for the merest start in office routine work.

As the young draughtsman settles down on hard-pan he will also see how small really is his preparation for the profession of architecture. He will see how lacking in life his text-book with its theoretical knowledge seems, until he has a good working acquaintance with the practical conditions of building materials when its value will shine forth. So big and splendid is the profession that he will soon learn that the greatest value of his schooling here was in giving him the right start; that each class in these progressive years as it goes forth is bound to meet different conditions from those encountered by its predecessors; that the extent of knowledge required by an architect seems to increase in an ever progressive ratio.

(Continued on page 3.)

CALENDAR

WEDNESDAY, MAY 5.

1:00 P. M.—T. P. A. meeting.

5:00 P. M.—Senior Portfolio Committee.

5:15 P. M.—Dining Room Committee.

6:30 P. M.—Dr. Talbot's Dinner to Seniors.

THURSDAY, MAY 6.

4:30 P. M.—Class Day Committee.

6:45 P. M.—Electrical Engineering Dinner at American House.

6:45 P. M.—Civil Engineering Dinner at American House.

FRIDAY, MAY 7.

6:45 P. M.—New York State Club Dinner.

THE TECH

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Wednesday, May 5, 1909

In a busy place and at a busy time, perhaps men are too busy to be courteous, and yet it seems as though when no trouble is involved, men might do the little things which will save other men much uncertainty and perhaps serious mistakes in their planning. An example of the apparent indifference of a large proportion of the Institute students to the requirements of what might almost seem common decency is given in the behavior of a number of men to whom notices of a State Club dinner were sent. 93 reply cards were sent out over a week before the time set. All that was required to answer the cards as requested was to write "yes" or "no" and sign, yet two days beforehand only 36 replies had been received by the secretary. Are things like this due to overstudy, or simply to pure negligence? Whatever they are, they are most discouraging to the men who have work to do dependent upon mere passive recognition of their existence.

COMMUNICATION

To the Editor of The Tech:

The purpose of this brief review of the year's work done by the Orchestra is to acquaint those who play orchestral instruments with this organization.

It has rehearsed every Saturday afternoon during the year in the Union. At first the piano was used. Soon, more violins and a viola came out, and the piano was dispensed with. T. C. Shaw 1909, then played string bass, and A. F. Thode French horn. From this point M. K. Street 1910, conducted instead of led, and with the above-mentioned men, D. Beliher 1909, clarinet, C. Burgher 1909, cornet, Stuart 1912, trombone, and R. Inglee 1909, 'cello, there was a foundation on which to build. Some heavy music was secured, and dance music cut out. Among other selections, the following ones have been played constantly: Luigini's "Ballet Egyptian," Bizet's "Carmen," Suppe's "Jolly Robbers," and "Poet and Peasant" overtures, Massenet's "Angelus," and March from "Scenes Pictoresque," Thomas' "Mignon," Offenbach's "Orpheus," Gruenwald's "Love Legend," and "Gavotte." The merit of these compositions is very evident, as is the personal benefit derived from playing them. The manner in which these difficult selections were played after thorough rehearsing is very creditable.

Next year the orchestra will be run on a business basis; concert engagements will be secured, and there will be more than simply love of music to induce men to come out. A series of concerts will be given during the year in the Union, and the programme will be pleasing and interesting to all. It is hoped to secure about thirty or forty men, of which about seventy-five per cent. will be given during the year in the everybody a chance, and will make it an honor to be a member of the M. I. T. Orchestra.

M. K. Sweet 1910.

TECH MEETS BROWN

In Opening Game of Tennis Season at Providence on May 15

The tennis season opens May 15, one week from Saturday, when Tech meets Brown at Providence. The Tech team will probably be made up of Coville 1910, Parker 1911, Farrington 1907, and Wentworth 1909. Coville and Farrington will share fates in the doubles, as will Parker and Wentworth. Four single matches will be played.

Tech beat Brown last year on the Longwood courts, and the match this year is likely to be a close one, as all except Farrington of the Tech team are old men, and Brown still has Budlong, one of the best of intercollegiate players.

On May 22, Tech plays Wesleyan at Boston, and on May 24, the intercollegiate games begin.

The seventh performance of "The Duchess of Bluffshire," this year's show of the Princeton Triangle Club was recently given for the benefit of charity. Performances have been given in New York, Baltimore and Washington.

CATHOLIC CLUB MEETING

(Continued from page 1.)

twenty of which are in the working period. The average economic loss from each death is moderately estimated at $8,000 each.

Last year we made a careful inquiry of the cost of disease in loss of wages of 417 cases at the Burroughs Place Out-Patient Department of the Consumptives' Hospital. In the last full year in which these patients worked previous to their illness, they averaged a weekly wage of $4,128.50, and the total earnings for the 417 for that year were $206,425.

Considering that 417 patients is less than 3 per cent. of the persons estimated actually to be suffering with tuberculosis in Boston, the loss of $198,000 in wages to which must be added the cost of maintenance, doctors' bills and care, will show that the mayor's figures of an eight million dollars a year cost for tuberculosis to Boston, is very moderate.

The lowest estimate of caring for a sickly child is $100 a year. On this basis the parents of Boston are spending a half million dollars each year for the five thousand children suffering from tuberculosis.

We need to devote some of our energy to the education of the wealthy tenement owner whose foul and evil-smelling property is reeking with disease; who hopes to salve his conscience with a donation of fifty or one hundred dollars to a charitable society, when his neglect or greed for enormous profits on his property is one of the largest factors in the spread of disease, especially tuberculosis. The poor in the tenements want justice and not charity.

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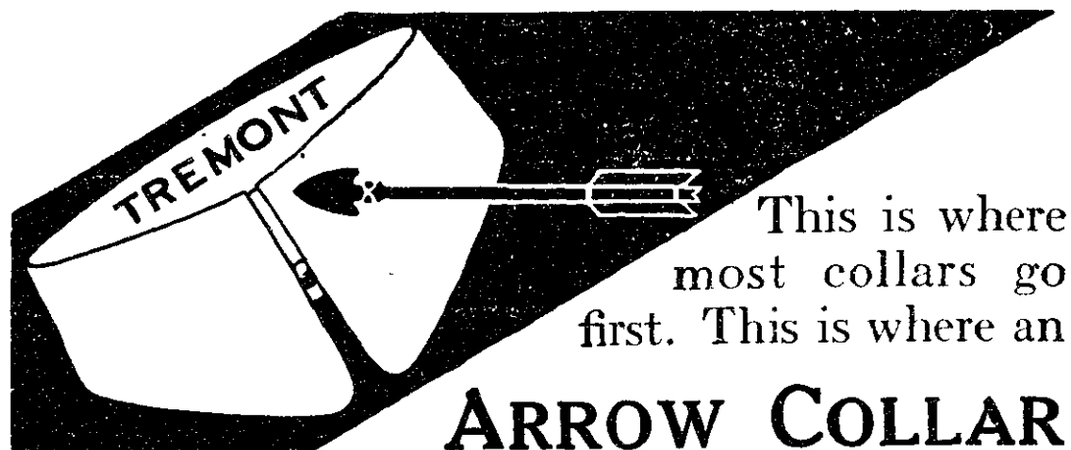

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Mr. W. J. Troy was called upon by Toastmaster P. D. White, and told several capital Irish stories. Coach Frank M. Kanaly spoke a few words urging the men to come out for track work, and Father McCarthy was introduced. He spoke rather briefly on the work of the club and the good that it might do in Technology.

ARCHITECTURAL COURSE

(Continued from page 1.)

These conditions our young draughtsman can only learn by his own experience, but they won't upset him for he is young and ambitious, but in these early days he will do some serious thinking, and will draw heavily on his common sense supply, and he will lay down a life method of procedure. The ideal he must consider is the right kind of success in his profession which must come from his practical qualifications of backbone and common sense, and from the added moral one of loyalty which covers all others. Loyalty to office and employer means loyalty to self and client. Loyalty to self means that his self cultivation must never stop, that his abilities are to be used, and improved and added to.

Every good office is inspired by a strong "esprit de corps" and fine traditions, and in such an office where his fortunes begin, the young draughtsman must help extend these, and show quality and quantity of work, and herein is the finest training for the position he intends finally to occupy, that of a practising architect.

Another point well worth remembering is that training in a fine office gives reputation to a draughtsman, so that he need never be out of employment so long as he has a sane mind in a sane body. It will take him some years to apply effectively what he has learned with us,—to convert his theoretical knowledge into actual facts. But when he can fall back on his theoretical knowledge to justify his practise, or vice versa, and can call to his assistance both his scientific knowledge and his experience, he will find himself in a happy condition. Let the young draughtsman be in no hurry to commence practice for himself. The ideal start would be when he is strong enough to carry the traditions of the office in which he has served with him,—until he feels capable of continuing the class of work he has been engaged on in another architect's employ. Character is shown ten times over in the man who believes he should be prepared before he is to be trusted, than in the man with the false impression that success is measured by the time his "shingle" has been exposed to the public view.

Professor Max Planck, Professor of Mathematical Physics at the University of Berlin, gave a lecture on "Der zweite Warmesatz vom Standpunkt der Atomistik," in room 23, Walker, at 3:15 P. M., yesterday. A number of the instructing and research staffs, and several upperclassmen were present.

FACULTY NOTICE

In accordance with the rule of the Faculty Theses are to be handed to the Secretary of the Faculty, not later than Tuesday, May 25, 1909.

Please leave them for me with Mr. Wells, the Recorder, in the Registrar's office.

A. L. MERRILL, Secretary.

NOTICES

The lecture on "Electricity in Mining" to have been given yesterday by Mr. Sprague has been postponed until tomorrow at 4 P. M.

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NOTICES

M. E. SOCIETY—Important meeting in Union, 7:30 P. M. tonight. Prof. Lanza and H. K. Spencer will speak.

1909.—Meeting of those interesting in preparing a stunt for the All-Technology Reunion in the Union at 4 P. M. on Friday, May 7. M7

Electrical Engineering Society Dinner, Thursday evening, May 6, at the American House, 6:45 P. M. Professor H. C. Clifford will speak. Members may obtain tickets until noon on Thursday, from R. L. Jones, C. L. Dawes or E. D. Greene; after that time, no more tickets can be given out. M5

The annual Civil Engineering Society dinner will be held at the American House Thursday evening, May 6, 1909. Prof. Spofford and others are to speak. Tickets may be obtained from Faulkner 1909, Henderson 1909, Fitzwater 1910, Arkell 1910, and Davis 1911. Price to members $1.10; to others $1.50. No tickets will be sold after 4 P. M. Tuesday. No dress suits. M6

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